

19980820.ba v02_n178.bam.980820

>From ???@??? Fri Aug 21 02:22:20 1998
Message-Id: <199808201339.IAA11985@sco.theporch.com>
Date: Thu, 20 Aug 1998 08:37:58 CDT
Subject: BOATANCHORS digest 2178

BOATANCHORS Digest 2178

Topics covered in this issue include:

- 1) reflector
by luc dugas <collins2@globetrotter.net>
- 2) CAY-52238
by ke4ooo@juno.com
- 3) FT: National NC-400
by Sandy W5TVW <ebjr@worldnet.att.net>
- 4) HRO surgery part 3
by "Lawrence R. Ware" <lrware@pipeline.com>
- 5) Swap SX-100 for NC-400
by ARONGV@aol.com
- 6) R-390A IF strip modifications
by David Ross <ross@hypertools.com>
- 7) Re: FT: National NC-400
by STEVE <sfarhat@frontiernet.net>
- 8) Re: BOATANCHORS digest 2177
by Jderm740@aol.com
- 9) Re: HRO-50T surgery part 2
by Henry van Cleef <vancleef@netcom.com>
- 10) Re: What??? Measurements 111 Crystal Calibrator
by Henry van Cleef <vancleef@netcom.com>
- 11) BIG RECTIFIER TUBES
by David Stinson <arc5@ix.netcom.com>
- 12) TAYLOR TUBE 866
by David Stinson <arc5@ix.netcom.com>
- 13) 220 for 30L1?
by "Ragnar Otterstad" <otterstad@inet.uni2.dk>
- 14) Re: Line Voltage
by N5CM@aol.com
- 15) 533A test for 6CW4
by "Ed Santavicca" <santavic@ct.picker.com>
- 16) eMail address for W3HM ?
by "Grant Youngman" <nq5t@gte.net>
- 17) Rectifier tubes 3B28's & 809's
by "John K9UWA" <k9uwa@cris.com>
- 18) Replying to BA DIGEST messages.....
by Tom Norris <badger@telalink.net>
- 19) 75A-4 Band Coverage Question

by John Poulton <jp@cs.unc.edu>
20) Re: HRO surgery part 3
by Bob Roehrig <broehrig@admin.aurora.edu>
21) Re: Replying to BA DIGEST messages.....
by CEMILTON@aol.com

Date: Wed, 19 Aug 1998 21:09:56 -0400 (EDT)
Message-Id: <199808200109.VAA23128@mail.quebectel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: luc dugas <collins2@globetrotter.net>
Subject: reflector

can someone tell me what is the problem with the collins mailling list. i
always get "file not found on my screen except twice time two weeks ago when
i was able to the digests" oterwise was not able to post anything.

luc ve2lgj 73s

From: ke4ooo@juno.com
To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 19 Aug 1998 21:11:31 -0400
Subject: CAY-52238
Message-ID: <19980819.211133.4022.0.ke4ooo@juno.com>

Hey gang,

Well a friend of mine has a unused as still in the case never fired up
transmitter. Here is the data of the tag, anyone have any idea what it
is. It is so clean we would like to see it go to someone redoing a ship
etc. not to be cut up for parts.

TYPE CAY-52238
Intermediate Frequency transmitter
Frequency Range: 350 - 1000 Kc
A Unit Of Modle TBW-3 Radio Equipment
Westinghouse Electric
Contract Number NXS-4744
Contract Date June 2, 1942
Ser. No. 00985
Pounds 80

That is all that I could see. Let me know direct if you want as I am in
digest mode.

73,

Greg

Greg Parsons ke4ooo@juno.com
AMI #865 DoD 862 Who has the coffee? Better yet, who has the
Ale8one?
NRA Life, SCCA, SCA <http://www.stdio.com/~gregp>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: FT: National NC-400
Message-Id: <19980820020938.MPCY25405@LOCALNAME>
Date: Thu, 20 Aug 1998 02:09:38 +0000

Hello Gang again!

For trade or ??? National NC-400 receiver. Dirty outside, front panel OK but needs cleaning. Inside: top of chassis needs cleaning, underside looks OK. Cabinet needs a repaint! A few rusty spots on lid. The cast escutcheon and cast panel trim looks OK. All original; knobs in pretty good shape except the bandswitch knob has been repaired. Fired it up and it actually works on all bands! Will need some alignment and adjustment to make it right! 4H4 ballast is open (replaced with 6V6 for testing). This set is kind of a rare bird. Looks like a Hammarlund receiver with plastic surgery to me!

This would be a decent receiver once restoration is done. There is provision for a calibrator, but calibrator is not plugged in.

Would consider trades of a National NC-270 or a Hallicrafters SX-100 receiver complete and working with good cosmetics.

I have no manual or copies of same on this set.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive

Metairie, LA., 70001

Looking for a Hallicrafters SR-400, SR-75, SR-34**

*** Also surplus TRC-10 Transmitter/Receiver *****

Message-Id: <3.0.5.32.19980819212640.007be320@pop.pipeline.com>
Date: Wed, 19 Aug 1998 21:26:40 +0000
To: Old Tube Radios <boatanchors@theporch.com>
From: "Lawrence R. Ware" <lrware@pipeline.com>
Subject: HRO surgery part 3
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Our patient is now out of surgery, the prognosis continues to improve, but he will still require extensive long term rehabilitation.

This poor old guy will be available for adoption at the Shelby hamfest, as he still needs a new home and lots of TLC.
(That's a hint guys! somebody must want/need a -50 and a winter project....)

(I don't have room for another table top National. I don't have room for another rack mount National right now either, but I'm going to get some more racks as soon as I can make room for them! :-)

Last I reported we had discovered that our IF chain seemed to have a black hole installed somewhere in it.
Signals went in, nothing came out. :-(
A quick run through with a scope probe located the black holes whereabouts to somewhere in the 2nd IF amp. A little more testing led me to the 2nd IF firebottle, a 6K7. Sneaky place to hide a signal sucking black hole thinks I, inside a black metal tube where you can't even see it! (Don't ask if I could see it, if it was in a glass firebottle, questions that metaphysical confuse me. :-)

A quick check of the DC voltages around the tube don't show anything too strange, and the 455 KC was getting to the grid, but not appearing on the plate..... OK out the tube comes, and into the tester it goes. \$%!!@#^&*&*& The 6K7 has an open filament! Well that *could* explain how the black hole got inside; Of perhaps greater humor it also points out that sometimes checking all the tubes before dragging scopes, sig. gens, et al into the fray is not a bad idea....

When I first started playing with old radios, first thing I always did was replace tubes. After a while I learned that this never seemed to fix anything but the weight of my wallet. :-(
As my skill at figuring out what was going on in these things slowly improved, I fell into my current habit of testing only when something gave me reason to suspect a failing firebottle.
This little episode reminded me of a germane fact about metal tubes: You can't see if the filament is glowing in one. <sigh>

Win some, lose some.

A new 6K7 was installed and suddenly I have a severe shortage of silence.... The radio has started to play....
Stop everything, jump up and down in place a few times, wave hands in air, pump arm up and down, etc. etc. *IT'S ALIVE!*

OK, cut short victory celebration, get a grip on self, I'm OK now, I promise! I just get a little excited some times, I savor even small victories, 'cause life gives me so few.... :-)

I have a few more odds and ends to clean up here yet, but the radio has now become a candidate for adoption into a good home. Externally, this is a very good looking unit, and with a little clean up will add grace, charm and elegance wherever it goes. :-)
>From the outside this radio will cleanup to 8+.

Internally, it still needs quite a bit of work, and unless someone wants to really get serious with Bondo or something similar, will continue to bear the scars of its time with the "Hobbyist From Hades!" (HFH) when you look under the hood.

The radio is stabilized, but much work remains to be done. So, if your interested in adopting a woebegone -50T, which comes complete with only the B & C coil sets, two crystal oscillators, (One doesn't work, the other never stops.) The *mystery* module from the NBFM socket, a good photocopy of the manual, and all the notes left behind by the HFH, drop me line.

I can deliver at Shelby, or ship.
Price will depend on how good a home it goes to, what kind of TLC you are willing to provide, and how crazy you are for a winter National project.... :-)

-Larry

Larry's Home for Wayward Test Equipment & Old Radios <tm>
Let your equipment retire in sunny central Florida.
Intensive Care, Private Bench Space, Frequent Use,
Factory trained HP, Tek & Fluke Surgeon on staff.
Good Home Guaranteed or double your junk back!
lrware@pipeline.com - Orlando, FL -
407.679.1597

From: ARONGV@aol.com
Message-ID: <705af5fd.35db8fa3@aol.com>
Date: Wed, 19 Aug 1998 22:53:22 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Swap SX-100 for NC-400
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi gang:

Anyone out there want to try a swap of a decent but needing a little work
SX-100 for a National NC-400?

Any interested should give me a call at 913-268-5973 or shoot a message to me
via e-mail.

Ron W00IZ
arongv@aol.com

Message-Id: <3.0.5.32.19980819200742.007ab560@mail.willapabay.org>
Date: Wed, 19 Aug 1998 20:07:42 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: David Ross <ross@hypertools.com>
Subject: R-390A IF strip modifications
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

BAfolks -

Does anyone have knowledge of an R-390A IF strip modification which
includes the addition of a small relay and an extra electrolytic cap? The
relay has a 2500 ohm 4 mA coil.

I've got an IF module here with just that sort of mod, and wonder if the
mod is part of a known and documented MWO (Modification Work Order).

The mod is quite well done. I haven't traced out the circuit as yet.
Anyone got any ideas what this may be?

73 and thanks
Dave Ross KA6EPI ross@hypertools.com

Message-ID: <35DAD6ED.198@frontiernet.net>
Date: Wed, 19 Aug 1998 09:45:17 -0400
From: STEVE <sfarhat@frontiernet.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: FT: National NC-400
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sandy W5TVW wrote:

>
> Hello Gang again!
>
> For trade or ??? National NC-400 receiver. Dirty outside, front panel
> OK but needs cleaning. Inside: top of chassis needs cleaning, underside
> looks OK. Cabinet needs a repaint! A few rusty spots on lid. The cast
> escutcheon and cast panel trim looks OK. All original; knobs in pretty good
> shape except the bandswitch knob has been repaired. Fired it up and it
> actually works on all bands! Will need some alignment and adjustment
> to make it right! 4H4 ballast is open (replaced with 6V6 for testing). This
> set is kind of a rare bird. Looks like a Hammarlund receiver with plastic
> surgery to me!
> This would be a decent receiver once restoration is done. There
> is provision for a calibrator, but calibrator is not plugged in.
> Would consider trades of a National NC-270 or a Hallicrafters SX-100
> receiver complete and working with good cosmetics.
>
> I have no manual or copies of same on this set.
> 73,
> E. V. Sandy Blaize, W5TVW
> "Boat Anchors collected, restored, repaired, traded and used!"
> 417 Ridgewood Drive
> Metairie, LA., 70001
>
> ***Looking for a Hallicrafters SR-400, SR-75, SR-34*****
> *** Also surplus TRC-10 Transmitter/Receiver *****I am interested in the nc400,
I do have a mint nc-270.
Please email with particulars or call 330-644-7804

thanks Steve

From: Jderm740@aol.com
Message-ID: <3ff4319d.35dba3bd@aol.com>
Date: Thu, 20 Aug 1998 00:19:08 EDT

To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Re: BOATANCHORS digest 2177
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Re: Digest 2175.

All conditions satisfied by mutual agreement and understanding. END OF MESSAGE.

Jack

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <199808200605.XAA04268@netcom9.netcom.com>
Subject: Re: HR0-50T surgery part 2
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 20 Aug 1998 00:05:43 -0600 (MDT)
Cc: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As Lawrence R. Ware discourses

>
(snip snip)
> A close substitute was located in "Ye Old Junk Box" for the multi
> section power supply filter, and the 5V4 was reinstalled in the
> octal socket placed back where National and God intended it to be. :-)
>
(snip snip)
>
> Everything came up OK except I had about 320V B+ instead of 240V.
> I guess that explains the large resistors that were hanging loose
> with the filter caps... :-(
> Seems the Philco power transformer is just a little hot for the radio.
> I just *know* this came out of an old TV someplace....
>
> Well lets put the rest of the tubes back in and see what it looks like
> under load..... OK B+ is now down to 270V, still pretty hot, have to
> do something about that. I replaced the 5V4 with a 5U4 and the B+
> voltage dropped to +245V. OK, we will call that close enough for now.
> Later I should add a resistor so the correct rectifier can be used, but
> for now, we will go with what works.

If you want to run the radio with a 5V4 and this transformer, a very nice power-saving fix would be to put a 10 Hy choke between the

rectifier output and the existing filter, making it a choke-input filter. This does nice things for power transformer heating, will pull B+ down to the 240 volt range, and avoid watts of dissipation in a resistor. Also reduces Vitamin H (hum) content to the existing filter. The Hammond catalog has suitable chokes for reasonable prices, and with all the other "fixing" in the set, you should be able to find a place to mount it and make it look reasonably good.

>

>

> Shortly I learned why: The primary of the audio output transformer
> was wired wrong. Color coding the CT wire had not been enough information
> for this gent. I missed it until I traced his work, as a black wire had
> been spliced in to make the CT lead reach one of the plates....
> Remarkably, the transformer tested OK with an ohmmeter, so I rewired it
> correctly and cleaned up most of the rest of the mess under the 6V6 pair.
> The over driven 6V6 tested very weak, (Gee I wonder why?) so both were
> replaced with a pair of used good tubes that matched on my tube tester
> pretty close.

I'd really suggest walking through the entire radio with your favorite brand of ohmmeter, making notes on the circuit as-wired. Obviously somebody has been "at work" on this set, and you have to check everything.

>

> The -50 is supposed to have a feedback pick off on the secondary of the
> transformer that loops back into the audio chain. at a glance this looks
> like a pretty standard negative feedback design. This appears to have
> been removed because the Philco audio transformer does not have a tap
> on the secondary side. <sigh> Well at least it's not a show stopper.
> The secondary of the transformer is connected directly to the speaker
> terminals, rather than through the front panel phone jack.
> I'm not sure what the idiot did with the phone jack circuit yet,
> (Perhaps that's where he put his brains.... It ought to fit with
> room to spare!)

>

You can reinstall a negative feedback circuit with the substitute transformer. Make sure you get it phased correctly. The original probably had a resistive divider in it somewhere to control the feedback ratio, and you'll need to recalculate the ratio. If you run the set open-loop and measure gains, you'll have the numbers you need.

>

> I fired the radio back up and found that I now could get hum when I
> touched the phono input pin... Cool, thinks I, now were getting someplace!
> A spin across the band produced nothing but more silence. :-(
> Hummmm, ya know, I could spend a lot less time and effort and get
> much better silence other ways....

>

I am a bit astounded that you'd put power on a butcher job like this

without going over ALL of it in detail first. Any of the older HRO's are very nice radios, as well as being classic designs, very easy to dope out. But I would for sure want to know that the as-wired schematic of the set resembled an HRO before I considered putting any coulombs through the mains wiring.

--

=====
Hank van Cleef
=====

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <199808200617.XAA04936@netcom9.netcom.com>
Subject: Re: What??? Measurements 111 Crystal Calibrator
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 20 Aug 1998 00:17:00 -0600 (MDT)
Cc: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As Eugene Rippen discourses

>

(I dunno about anyone else on this list, but I had to snip out 90% of this message because HTML is gobbledygook on my mail reader).

>

> I have a "Measurements 111 Crystal Calibrator"

>

> What do it do?

>

> Gene

>

Well, this is a wonderful toy. The 111 is a "Secondary Frequency Standard" with a 10 Mhz crystal, and other oscillators piloted by it to get 1Mhz and 250Khz. The 111-B (which I have) has 100Khz. as the lowest frequency (only difference). There is also a mixer-detector, so you can listen for beat frequencies on headphones or beat the standard signal with another signal to get an IF frequency shift output on the front panel. Also a built-in modulator oscillator (detector circuit used for this) to give audio tone to the RF.

Ed Matsuda has manuals for these, and I suggest you get one from him. Tells how to tweak it up, and gives a bunch of sample applications for use. It's a super-valuable tool for doing RF and IF alignments, as well as a handy-dandy frequency standard for calibrating other test equipment using methodologies similar to using the BC-221 or LM freq. meter internal crystal.

--

=====
Hank van Cleef
=====

Message-ID: <35DBBF18.5407@ix.netcom.com>
Date: Thu, 20 Aug 1998 01:15:52 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BIG RECTIFIER TUBES
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone on the list have a need for some
honking big rectifiers?
Number is JAN 5685/C6J.
Looks like an 872 on steroids.
Have three Taylor Tube, one Westinghouse
and one Continental Electric.

If you use these things, please let me know.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

Message-ID: <35DBBF8C.1C99@ix.netcom.com>
Date: Thu, 20 Aug 1998 01:17:48 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: TAYLOR TUBE 866
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Someone on the list has been looking for
Taylor Tube globe-shape 866 tubes.
If you, please contact me.

73 Dave Stinson AB5S
arc5@ix.netcom.com

Message-Id: <199808200719.JAA06322@inet.uni2.dk>
From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>
To: Old Tube Radios <boatanchors@theporch.com>

Subject: 220 for 30L1?
Date: Thu, 20 Aug 1998 09:17:17 +0200
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Need wiring instructions for 230VAC for 30 L1 or preferably a copy of the manual. Cost paid

73 Rag OZ8R0

From: N5CM@aol.com
Message-ID: <45df5476.35dbee6b@aol.com>
Date: Thu, 20 Aug 1998 05:37:46 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Subject: Re: Line Voltage
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Al,

I have used the "series aiding" & or "series bucking" principle quite a few times in years gone by. When improvising, using a multi-winding transformer such as one for a large receiver, by using one or more of the unused filament and/or bias windings in "series bucking" in series with the primary winding I was able to adjust the DC output voltage downward.

Another trick is to use choke input in the power supply to lower output voltage & the opposite (capacitive input) to raise the output voltage.

Back in the "Great Depression" days, many ideas developed to use whatever was available rather than spend "scarce" money for equipment.

Good luck! 73, Ken.....N5CM.....

Message-Id: <9808201201.AA13962@ct.picker.com>
From: "Ed Santavicca" <santavic@ct.picker.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 20 Aug 1998 08:02:00 -0500
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT
Subject: 533A test for 6CW4

My Hickok 533A calls for a 25 bias setting for a 6CW4. They all test bad with this setting. Was there a revised setting for a 6CW4? Also I made the adaptor, nuvistor socket on one end and octal on the other. Maybe I wired it wrong. Does anyone know the pinouts for the adaptor?

thanks

73, Ed

Lakewood, Ohio

Ed Santavicca

73 de AA8TV
Piper Warrior N44076
santavic@ct.picker.com

Message-Id: <199808201210.HAA16587@smtp1.mailsvcs.net>
From: "Grant Youngman" <nq5t@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 20 Aug 1998 07:09:40 -0600
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: eMail address for W3HM ?

Does anyone have a current valid email address
for Howard Mills, W3HM??

Thanks .. Grant

Grant Youngman -- NQ5T
nq5t@gte.net
HTTP://home1.gte.net/nq5t
Double Oak, TX (near Dallas)

Message-Id: <199808201214.IAA19641@newman.concentric.net>
From: "John K9UWA" <k9uwa@cris.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 20 Aug 1998 07:14:58 +0000

MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Rectifier tubes 3B28's & 809's

Anyone need any 3B28's ??....one of the locals has about a dozen of them he asked me to sell off for him....tested good filaments. Other than that take your chances.....prices are reasonable.

Couple of 809 tubes too.....same deal

de John K9UWA

John Goller, K9UWA

k9uwa@cris.com

<http://www.concentric.net/~k9uwa/>

Message-Id: <3.0.5.32.19980820072623.00a43410@mail1.telalink.net>
Date: Thu, 20 Aug 1998 07:26:23 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: Tom Norris <badger@telalink.net>
Subject: Replying to BA DIGEST messages.....
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I keep reading replies to questions that folks are responding to that subscribe to the digest format of the list. The thing is most folks it seems do not quote the original question or advice, and the respondee simply answers it. The problem is, I do not subscribe to the digest edition of the list, preferring to get it a message at a time, and usually puzzled by these (to me) blind responses.

To the list, and to Jack: could folks that are replying to issues addressed in the digests please quote some of the information you are replying to so those who don't do the "digest thing" will know what you are talking about?

Examples of what I am talking about that causes me puzzlement -

Subject: Re: BA Digest #1234
reply to: joe.blow@isp.com
(message text)

Yea, bob, I liked that info on the Hallicrafters mod, but I think that there is also a problem with C123 exploding on alternate Tuesdays. This really is something we ought to replace in all of the units you were talking about.

(end of example)

Not subscribing to the digest form, and having several pieces of Halli gear, I really would LOVE to know more about the problem of the exploding cap, but may have missed the original single message the comment was embedded in originally.

Something like this - based on the above example - would clarify things :

Subject: Re: BA Digest #1234
reply to: joe.blow@isp.com

(message text)

>Folks, you really need to replace cap C102 in the transmogrifier
>accessory, it has a history of exploding and taking half of people's
>houses with it. Also check the voltages on the IF chassis under
>V7 and the surrounding areas, they may be off due to a lapse in
>the space-time continuum. Replacing R-23 that runs from the grid
>of V7 to the biphasal transmogrifier accessory plug will correct this
>problem and not allow a singularity to form in the area surrounding
>the receiver. This seems to be problem especially on serial numbers
>4587 and above of the R-274 variety of -73.

Yea, bob, I liked that info on the Hallicrafters mod, but I think that there is also a problem with C123 exploding on alternate Tuesdays. This really is something we ought to replace in all of the units you were talking about.

(end example)

So now we know what Bob was talking about that Joe was responding to.

Seems easy enough. Or am I stirring up a hornets nest here?????

73

Tom Norris
KA4RKT/AG (yep, finally upgraded after 18 years as a tech....)

Date: Thu, 20 Aug 1998 08:56:39 -0400 (EDT)
From: John Poulton <jp@cs.unc.edu>
Message-Id: <199808201256.IAA26780@mira.cs.unc.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: 75A-4 Band Coverage Question

I posted a query to the group a week ago about hard-to-start and/or non-functional xtal oscillator in a 75A-4 I've been working on. Welll, turns out it's not the oscillator. I was suckered, thanks to my inexperience with these receivers, by a really strange mod. I'm hoping someone can tell me whether this mod was "standard" and what it's purpose might have been.

Shoulda been tipped off from the beginning: this RX has it's 11-meter logging scale on the dial drum calibrated from 11.0 - 12.0 MC, and the two 10-m logging scales are completely blank, first off. Second, the bandswitch circuitry has been heavily modified, essentially disconnected all of the circuitry for the two 10-m bands, and rewiring the 11-m coils in a way that suggests maybe it really WAS intended to tune 11-12 Mc. Most peculiarly (and this was what kept me from tumbling to the truth earlier), the standard amateur band xtals are installed.

The modification work was not done very well; I would be surprised and saddened if the receiver actually left Cedar Rapids in this state. However, the original-looking dial drum, with the non-standard 11m scale and missing 10m scales, looks like a Collins original.

So, what gives? Is this a "standard" configuration for the 'A-4?

Needless to say, I'm in the process of reconstructing the original configuration in the bandswitch area...

Thanks and 73
John Poulton KF4OZY

Date: Thu, 20 Aug 1998 08:01:13 -0500 (CDT)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HRO surgery part 3
Message-ID: <Pine.ULT.3.96.980820075419.9711A-100000@admin.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 19 Aug 1998, Lawrence R. Ware wrote:

> When I first started playing with old radios, first thing I always
> did was replace tubes. After a while I learned that this never
> seemed to fix anything but the weight of my wallet. :-(

Sounds like you are having fun anyway, and that's the important thing.

I always test all tubes first. Not so much to look for weak ones but to eliminate any shorted ones that may fry other components. As far as weak ones go, if the transconductance is at least 2/3 of what the chart says, they stay in the radio. If they are 1/2 normal, they will stay if I don't have a replacement on hand (at least in a receiver).

I have faith in a good tube tester but they do not tell the whole story sometimes. Last night I was working on a HT-32B for a friend. Low output - like 20 watts. I had tested all tubes but the finals. Replaced finals with newer pair and output up to 50 watts. Replaced driver (12BY7) with another that tested only a slight bit higher and output now 80 watts. You would have almost needed a magnifying glass to see the difference on the meter between these 2 drivers, but they sure were different.

"Nostalgia is a thing of the past"

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI

CIS: Data / Telecom Aurora University, Aurora, IL

630-844-4898 Fax 630-844-5530

From: CEMILTON@aol.com
Message-ID: <815304f3.35dc2685@aol.com>
Date: Thu, 20 Aug 1998 09:37:08 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Subject: Re: Replying to BA DIGEST messages.....
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-08-20 08:32:15 EDT, you write:

<<

Seems easy enough. Or am I stirring up a hornets nest here?????

73

Tom Norris

KA4RKT/AG (yep, finally upgraded after 18 years as a tech....)

>>

Tom,

Ditto on the concerns about "replying to BA DIGEST". I thought I was missing posts and was about to blame AOL fer it.

Most importantly, congrats on the upgrade.

73 es cu1 de KF4LYF
Chuck

End of BOATANCHORS Digest 2178
